SPRING APPROACHES PREPARE FOR EARLY GARDEN

gin to lengthen, plants in the con- keep a rotation coming on during the servatory and window garden begin to grow and flower. Many of these plants. Very early asparagus can be obterial for making cuttings.

About the middle of Pebruary start seeds of annuals such as petunias, verbenas, cannas, centaureas, castor beans, in shallow boxes of light soil, transplanting the plants as soon as they are ready to handle.

To multiply dahlins set the tubers close together in shallow boxes of sand and keep the boxes in a warm, light place and the sand moist. Soon vigorous shoots will appear. Make tings from these shoots, being careful nake the lower cut just below a joint or with a "beel," as the florists express it. Insert the cuttings in sand. which must be kept moist and given root readily and produce plants for country. bedding out as soon as the weather is suitable. The plants will flower this

ready.

It hardly seems possible now, but in March, in the open ground, broad Windsor beans, beets, carrots, leek, of vegetables may be sown. Get an



Our 1918 Spring Catalog-now ready-is full of useful information which we are sure will help you to make your Vegetable and Flower Garden a success.

It is attractively and convenient! arranged, with pictures and text de-voted to everything of interest for the FARM—GARDEN—LAWN.

A copy of this catalog sent free in request. Kindly mention the Sun



VERBEARING STRAWHERE



MASTERS PLANTER CO. Dept. T. Chicago, III.

entire season.

can be propagated from the strong, tained by digging trenches three feet young shoots which will afford ma- deep between the rows and filling terral for making cultions. solil beds this would destroy the roots of some plants.

> Early beans, broscoil, early cabbage, early celery, lettuce, parsley, radish and tomato plants can be started in hotbeds during the middle or later part of February. Cucumcers and eggplant may be started in hotteds in March.

> Beet, cablage, onlon, paranip, peas, radish, spinach, tomato and English and Swede turnip seeds are reported extremely short this season.

> Field corn is very scarce all over the ing corn should obtain their seed im-

Cellars where fruit and vegetables Early cabbages, lettuce and radishes are stored should be well ventilated he sown as soon as hot beds are by opening the doors and windows quickly where the ventilation is pour.

Seeds left over from last season or the season before should be tested onton, peas, radish, spinach, turnip and at this time. Take 100 seeds and any potatoes may be sown and April fol. on a piece of blotting paper that has lows closely, when a much longer list been moistened. Lay another piece of of vegetables may be sown. Get an moistened blotting paper over the seeds. Lay the blotters on a dinner Houttei, one of the most beauplate and place an unturned place tiful of all the spiras in leaf over them. Keep the plates in a warring place. Keep the blotters moist and flower. Blooming season remove the seeds as fast as they about Decoration Day. sprout, keeping count of them. This tables for the table, I sold enough will give the percertage of germina. tion. If the precentage is low more potatoes to pay for the whole outlay I seeds should be sown or sown '10' had for seed, fertilizers. &c. 1 still thickly than seeds showing a high have plenty of potatoes to keep me percentage. If the percentage is very going until spring; also turnips and to use the seeds

if there is any other vegetable I can work is discouraging. I intend to plant tomatoes, but plant between them will you please advise me in the Garden Department.

If you can obtain stable manure cover your garden plot to depth of two this spring.

If you wish to plant tomatoes you can put out lettuce quite early by starting the seeds in the house. Radishes can be sown between the lettuce be out of the way before you can set in two or three weeks these hatch out tomato plants. A second planting of both lettnee and radishes can be sown between the rows of tomatoes sown between the rows of tomatoes and the larvæ feed on the roots of flower seeds more evenly and much proper care it will last for years, sown between the rows of tomatoes and the larvæ feed on the roots of flower seeds more evenly and much proper care it will last for years, unleading them in the earth singly.

The Perfection Drill and Garden larmers with much labor saver at planting time and with flower seeds more evenly and much unleaded to the proper care it will last for years, unleaded to the proper care it will last for years.

Different discs come with the impleCompany, 229 North State street. Chirows and both radishes and letture will! and will develop before they will intarger with the tomatoes, and terminated as suggested the land will stand the cropping. You can also plant onler sets as roon as they can be put in the surface in the spring and enter the spring and enter the surface in the spring and enter the surface in the spring and enter th OLD BOOKS wanted on agriculture and hortfeulture, particularly books that are out of print and bound copies of old magnifices and periodicals on these salighets. Seeks as soon as they can be put in the ground for green onions. A few beets for beet greens might also be sown.

Pays for lise f Every dividuals who had the gardening fever during the three or four weeks they Co., Percy. Iowa. Transplants Tobacce, Tomatees, Sweet Potatoes, Cabbage, Strawberries, Eggplant and all similar plants.

Transplants Tobacce, Tomatees, Sweet Potatoes, Cabbage, Strawberries, Eggplant and all similar plants.

To Strawberries, Eggplant and all similar plants. Eggplant and all similar plants.

Ko Steeping--Ko Lame Back pretty busy fighting weeds and buzs.

Ko Steeping--Ko Lame Back pretty busy fighting weeds and buzs. had to put out one penny for vege-

PERFECTION GARDEN SEEDER

Will seed all kinds of small garden seeds. It is especially adapted for hothouses and hotheds. It will seed radishes, lettuce, cabbage, and tomatoes for plants. One man with a Perfection Drill and Seeder can do as much seeding as five or six men would do in the same time by hand. It avoids too thick seeding with the annoying, time-wasting thinning that so aften occurs in hand seeding. Soon pays for itself in seed saved. The little wheel operates a disc in the hopper, dropping the seed evenly. Different size dies are used for different size seeds. The little wheel runs on a board and the thickness of the board gauges the depth of the seeding. Expert horticulturists say the Perfection Garden Seeder marks the only improvement made in the past twenty years in a hand seeder and drill. It is within the reach of every one. Price \$2.46; weight 1½ lbs.

Send for circular to the

OSMUNDSON SPADE MFG. CO.

Perry, Iowa.

The Sun Farm and Garden Page Pleases Readers - Pays Advertisers

The page I enjoy the most in the Sunday Sun is the Garden page and I have applied the information with excellent results. have missed very few of these pages in years and I cut them out for my guide book.

MRS. E. H. WILSON, Caldwell, N. J. January 21, 1918.

From the New York Florists' Club

New York, January 22, 1918.

I consider that the florists of the country are under great obligations for your work in their behalf. A resolution of thanks was unanimously passed at the last meeting of our club, and I was instructed to write a letter

of appreciation to The Sun Publishing Co. Yours very truly,
JOHN YOUNG, Secretary, New York Florists' Club.

"Some Results" From a Three Line Advertisement

Randolph, N. Y., Jan. 17, 1918. Enclosed find new copy for my three line advertisement in your Sunday Garden Department. I have sold a good many hundred gallons of honey from your paper. Yours truly, GEORGE SHIBER.

Milton. Mass., Jan. 21st. 1918. I certainly will use your paper again as it has proved very satisfactory in the past. Yours very truly,

JELLE RCOS, Gladiolus Specialist.

> The Sun. Sun Building New Yo k



Proper use of Spiræa Van

may be best not to attempt currots buried below the frost line. I had several quarts of dried kidney beans, white marrows and navy SUNDAY SUN Garden Department: I beans which I had put away in large llowed your advice last fail and glass jars, but now I find that there turned over the sod in a space 9 by 14 has developed a weevil or worm in feet. Not having any manure, I seat- these beans, so much so that I will tered about a barrel and a half of dried have to throw away the entire lot of leaves and a pail of wood-ashes on it beans. In the red klaneys the weever before I turned it over. After it was batched out in the form of a small turned over about a week I scattered black box: in the white bears it is a twelve pounds of lime over it. What small white worm. I should like to I went to know now is will I put some ask what this can be: The plante of manure on it in the spring before I rose bugs, wrong time of planting. plant anything. Of course this is a small space, but I have peonies, roses, larkspurs, lilies, narcissi, gladioli, dahlias and other flowers and I would have to sacrifice some of them to have a larger space, and I don't want to do that. I intend to plant tomatoes, but

The rose chafer is a troublesome insect and it is well to know what to do when these trouble makers arrive. About the time the roses are in bud swarms of the rose chafers appear. or three inches with it before spading blossoms and foliage, not confining covering the plants, feeding on the their attacks to roses, attacking shrubs, fruits, vegetables and sometimes grasses and grains.

During the middle of June the females lay from twelve to twenty eggs depositing them in the earth singly.

brushed into a pan of herosene on. One of the pretilest garden growths. Also spray the plants with arser its that I have seen here this year is a

over the seed and all the seed stirred about constantly until every bean has been thoroughly covered has proved effective in many cases. Furningatight container must be used, fumigatto each 100 pounds of beans. *

weights. container. The blaufid may be placed in shallow dishes set on top of the seed or it may be sprinkled over them.

The gas of bisulfid is exceedingly explosive and must not be used near fire or artificial light of any kind. The fumes must not be inhaled, as they have a suffocating effect

This Mill Makes Best Cam Meal. Cracks Peas. Griefs Collect Spices, cir. Perfect all stones for fine or coarse work. Will send Mill pergaid \$7.50 by Express for only

APACEE ORIST MILL Largest ca-machy, fastest grinding, easiest turning hardmill Does mare, lasts longer,

A H. PATCH, Inc , Clarksville, Tenn

The Black Hawk Corn Sheller Invente



5,000 plants a day or about three times as many as can be set by hand. Each plant is watered automatically at the time of planting. Gardeners and



White flowering shrubs like this need a dark background.

The respection first and Sales and labor saver at planting time and with polatoes in half; with a fork scrape ing 5 feet high in the front and three unleker than it can be done by hand. Price \$5. Made by Masters Planter stroke of the fork so it will come out and go down below the frost line. Different discs come with the imple-where they remain over winter. The ment for different size seeds and the bups stage, a period of ten to thirty of our readers says. "It is the best days, according to the temperature two dollars I have invested in a gar-

By SUSAN P. OKIE.

One of the pretilest garden growths Each plant set, watered and covered on the plant set, watered and covered on the plant set, watered and covered on the plant set of plant set, watered and covered on the plant set of plan of sine. About roses and vegetable: Michaelmas daisy. Its main branch a preparation called carbo-sul.

The bean weevil, a small, white pletely concealed. The pendulous footless grub, feeds within the beans branches were ropes of little roses. both in the field and in storage and with large golden eyes and finely cut finally transforms to the common patiengs an inch in diameter. I brown weevil which infests white thought at first that they were pombrans. The infested seed should never pom chrysanthemums set thickly on e pisnted. A very little kerosene oil poured Christmas.

RAPID PLANT SETTER.

It will soon be time to set out strawsurest way of destroying weevils. A berry, cabbage, cauliflower, tomato, eggplants and other vegetable plants. ing for forty-eight hours, using one ounce by weight of bisulfid of carbon and also asters and various other plants in the flower garden. This An oil barrel makes a good con- work can now be done with Mastera's tainer, covered with sacks, the sacks Plant Setter, the operator walkheld in place by boards taid close to- ing in a comfortable upright posigether and held down by heavy tion, making transplanting compara-Place the beans in the bottom of the tively easy work. One person can



It is less other industries are interesting to cook them properly.

the results accomplished by their par- | O'Brien, salad and other methods of

dish fit for anybody. There are many ways to cook potatoes, so they can be served every meal

wealth of the world.

per cent, who lived in cities and towns,

men left the farms of New York for

of the population of the State live and

area, and the valuation of one-eight

DISPOSE OF POTATOES.

The Department of Agriculture says

the 1917 potato crop has moved slowly and the bulk of the crop is still

that the public eat more potatoes.

Good baked potatoes, baked just

squeeze up soft when pressed with the

flugers and removed from the over

comfortable there.



Poultry house for back yard flock.

centred on manufacturing, commerce and finance, which loom up boldly in the foreground and almost completely the foreground and almost completely market them gradually, beginning immediately so the supply will not be a completely med ticular ideal. Men have their views, cooking offer a wide range of potato ground. Agriculture by many is con- the market at one time. sidered as the pleasing view they once or animals at pasture. Children at BIRDSWILL HELP WIN THE WAR ens and more eggs campaign is exschool are taught that agriculture is the industry that supports all other truth of the matter.

practically every member of Congress familiar with its operation. How many of our statesmen to-day know anything about agriculture? The importance of the farmer's vote is all most of them know or want to know about the subject.

the subject.

If it is true, as it is, that agriculture is the foundation and support of the nation, of all its private and public enterprises, the welfare of the people and our finances, why not compel every man nominated for President, Senate, Congress, every Cabinet officer, State Governor or member of State Legislature to have a practical working knowledge of agriculture?

If it is true, as it is, that agriculture of the foundation by conserve we should start at the foundation by conserve we should start at the foundation by conserve our like, chicken bouses, anywhere, ulmost from the least possibility trouble and without the least possibility to be paired in a string applied for selected for s

It hardly seems right to have this

Three mornings the mercury in our the industry that supports all other thermometers crawled into the bulb, the ocean to our soldiers, the Allies gotten it altogether repeat it as a which would make it register any- and the hungry people of the lands parrot repeats what it has been where from 20 to 25 degrees below devastated by the Prussian war torch. taught to say, and with exactly equal zero. It certainly has been a very The Department of Agriculture understanding and realization of the hard winter on our song birds. It is urges as many as possible of the farm-There was a time, and a most important time, in the history of the feeding devices and stations of the feeding devices are deviced by the feeding devices and the feeding devices are deviced by the feeding devices and the feeding devices are deviced by the feeding devices and the fe portant time, in the history of the feeding devices and stations out that large enough at least to supply the United States when the President and I cannot count them.

I can actually tell the approach of

JOSEPH H. DODSON. country governed by men who know | KANKAKEE, Ill., January 21.

absolutely nothing about the one in- Water window plants dustry that is the basis of our pros- ing cold weather.

All wealth comes out of the earth. There is no wealth created, no addi-tion to the wealth of the world that does not come from the earth. The and do not overwater them. sources of wealth are agriculture, including ferming or tilling the soil.

ing oil &c. The wealth thus produced in the garden, which have not flowered, is the wealth on which all commerce Lift them carefully and pot. Keep in and governments are operated Trade, a cool frame for a few weeks, and increase to 100 hens the average size buying material, fabricating and sell-transfer to the greenhouse. They will of the American farm flock. The presing it, takes wealth from one pocket come into bloom early with a little ent average is 49 hour. and puts it into another, but it creates feat. nothing and adds nothing to the

wealth of the world.

The beginning of the decline of agriculture has been the beginning of the decline of every nation, and the downful of almost every nation, and the downful of almost every nation has been the beginning of the decline of every nation, and the downful of almost every nation has been seeds the catalogue contains a larger distantly acquainted with the egg entired to the expensive distantly acquainted with the egg entired to the entire that t the decline of its agricultural re- list of grasses and clovers for various come to be fast friends and will see purposes, evergreen trees sent by mad, for more, Whitner are we drifting? In 1880 more than 79 per cent, of the people implements, fertilizers; &c., 30 and 32 farming find much of their feed in the farm seeds, bulbs, plants, small fruit Parciny street, New York. rural class, farmers who were grow-ing food to support the nation, the 30

McKINLEY DAY.

At the time the last census was taken, 1910, only 54 per cent, of the Tuesday, January 29, is the birthday about one-half. Eved in cities and of President McKinley. West a red population was rural, 46 per cent, er carnation, the favorite flower of the towns, and the decrease in rural popu-lation has been greater in the last seven years. Last year 40,000 young

AMERICAN CARNATION SOCIETY the cities. In New Jersey 75 per cent. EXHIBITION. work on less than 6 per cent, of its

The annual exhibition of the Amerif all the land in the State is so low can Carnation Society will be held at that it is not returned on the asses-Horticultural Hall, Boston, January 36 If these conditions continue, with no and 21.

fort made to correct them, there can be but one result, which will be first WAR FOOD GARDEN COMMISSION ods, seems to have all the best of the indicated by searcity of food and high

Food Garden Commission, which is fall and lay eggs in the spring they are ready to botch Labor saving devices are used on farms, taking the place of some of the men and women formerly employed not, as might be supposed, a United early. Late hatched fows are late This is true in a measure, but no ma- States Government department but majuring, do not lay in the winter and chine is entirely automatic and farm- an organization operating indepeners now have insufficient help to dently, has changed its title to War spring. A calm review of the situation cerindicates that the time is at large for the United States to immeland for the United States to immehand for the United States to immemission sounds as if it were retained diately take steps to attract people to in the title so the organization may be the country districts and make them considered as operated by the Govern-

If the work of the organization were carried on under a title clearly indicating what it is, such as War Garden Society, the public could have more confidence in its purpose.

The Woodside Poultry Farms, Orain storage. Potatoes should be con-sumed now, as late in the spring they sprout and deteriorate rapidly. We their heavy laying trap nested single have no food to waste under present | comb reds. It is best to start with conditions, therefore the Department good foundation stock, even though of Agriculture urges that holders of the first cost is more than the cost potatoes market them gradually and of cheap stock. Good stock is cheapest in the long run and most satisfactory.

right, make a splendid meal. The po-tatoes should be baked until they POULTRY HOUSE FOR BACK YARD FLOCK.

and served just at that time. Break The 5x6 house is of shed type, beout the white pulp a little at each and one-half feet in the rear. The light and fluffy; season with salt and door is two feet wide in the lefthand pepper, butter, and the result will be corner of the front. There is an opening two feet high and three feet long in the other side of the front, which may be covered by a cloth curtain on Manufacturing, railroading and end- in a different style, but it is an art a frame sliding up and down on the There is a window in the outside. There is but one generation a year made by the Osmundson Spade Mfg and fascinating. The careers of our hashed brown, fried, French fried, three lights, 9x13 inches, glass, hinged merchant princes attract the attention of the youth of the land, who early in life determine to equal or excel mashed, boiled, scalloped, steamed, from the form the inches above and nine inches from the back. At the end, under the window, there is a feeding platform for dry mash hopper and water dish. eighteen inches wide and thirty inches long, extending front from the drop board on the same level. The nests are suspended under the feeding platform and end of the drop board. space, being four feet long, allows for four nests, each one foot square, or a long box without partitions, which is just as satisfactory. The walls are of matched boards, boarded up and down and painted. Cheaper lumber may be used. The sills and roof supports are of 2x3 inch material. This house may be easily built in sections so that it is more easily moved

Bill of necessary materials:

Hinges, two pair four inch "T" hinges Hooke one dozen three inch atls, five pounds ap : three pe

Screws one dozen 115 inch. Roofing paper, balf roll. -Prof. Roy E. Jones, Connecticut Agricultural College.

INCREASE POULTRY PRODUC-TION.

year the chicken and egg production of the United States. The more chickpected to displace millions of pounds of heef and pork in American menus price chan Message Manual M

With Danysz Virus

not advise that the general farmer embark in extensive raising of potry but werns against such ventures Keep primulas, cyclamen and cine- But it sees no reason why even farm should not produce enough chickens and eggs for its own use, and who there should not be enough surplus to make chickens and cass available to cluding farming or tiling the soil. Canterbury hells do well in green-breeding stock, forestry and lumber mining and the products of the sea, obtainable. Usually in the autumn it lakes and rivers, and mining, includ-happens that there are strong plants the meats that are reeded absord and

One his aim in this endeaver in is

The farmer need not fear that the market will be glutted by poultre and

Chickens as a hyproduct of general waste materials that otherwise would serve no useful purpose. The air aton and labor they require can be given largely even by children, and should not require the employment of add. tional hired workers. On some farms the chickens practically pay for then selves by their destruction of orchaet and vegetable inserts. On others they help to pay for themselves by production of manure, which when properly used largely increases the value of the land. Fifty fowls will pronually produce at least a ton of me. nure that can be made as valuable as commercial fertilizer.

An essential part of the endeavor to insure more chickens and eggs is con-tained in the maxim batch early. The farmer who hatches early in the spring either by incubation or natural methargument. When chickens are harehad The former National Emergency early in the spring they mature in the do not sit until late in the following

Early hatching means more profit live: he will get more actual ment not only because more will live but because his chickens will be larger; and he will get more eggs, when eggs are some for early hatched pullets will lav in the winter.



POULTRY TONIC Great for Breeding Stock

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WILLIAM BARTELS COMPANY 44 Cortlandt Hudson Terminal Bld

Bill of necessary materials.

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Sils and study, four feet, 12"x1"x2",
Furrow hing, eight feet, 12"x1"x2",
Wire, eight feet, one inch mesh, two
leet wide
Unbleached sheeting, one yard, 42 inches

The study of the

TRAPNESTED PENS and Hatchine Eggs from the Single Come Reds Satisfic for MODELLARY FAIRS ORADELLARY FAIRS

KENNELS.

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es mede in our familia for a present twelve quart for a fillengin your greece.

Mrs. F. R. PERKINS Bellinger DAIRY FARM PORK PRODUCTS

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